

Title (en)
SHORT-CIRCUIT BRAKING OF AN LLM

Title (de)
KURZSCHLUSSBREMSUNG EINES LLM

Title (fr)
FREINAGE PAR COURT-CIRCUIT D'UN MODULE LASER LLM

Publication
EP 3581428 B1 20210609 (DE)

Application
EP 18177762 A 20180614

Priority
EP 18177762 A 20180614

Abstract (en)
[origin: CA3045839A1] In order to enable safe deceleration of a transport unit of a long-stator linear motor (1), wherein in a normal mode a plurality of (m) drive coils (Sm) of the long-stator linear motor (1) are energized in such a way that a magnetic field coupled to a transport unit (2) is moved along a direction of motion (x) in order to move the transport unit (2) along the direction of motion (x), according to the invention a switching to a controlled short-circuit mode (M) is performed during the braking operation of the transport unit (2), in which at least some of the drive coils (Sm) are short-circuited at least over a first time interval in said mode.

IPC 8 full level
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CPC (source: CN EP KR US)
B60L 7/003 (2013.01 - EP); **B60L 7/08** (2013.01 - EP); **B60L 13/10** (2013.01 - EP); **H02K 11/21** (2016.01 - US); **H02K 11/33** (2016.01 - US); **H02K 41/02** (2013.01 - US); **H02K 41/031** (2013.01 - EP); **H02P 3/06** (2013.01 - US); **H02P 3/12** (2013.01 - CN); **H02P 3/22** (2013.01 - CN KR); **H02P 7/02** (2016.02 - CN); **H02P 25/06** (2013.01 - CN KR); **B65G 54/02** (2013.01 - EP)

Citation (examination)
• EP 3424769 A1 20190109 - NINEBOT BEIJING TECH CO LTD [CN]
• US 2012193172 A1 20120802 - MATSCHEKO GERHARD [DE], et al

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WO2022069438A1; EP4064549A1; US11772912B2

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DOCDB simple family (publication)
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